FIG-1

It can be difficult to distinguish bar-codes with identical relative intensities but different absolute intensities (i.e. 1:3 or 2:6)
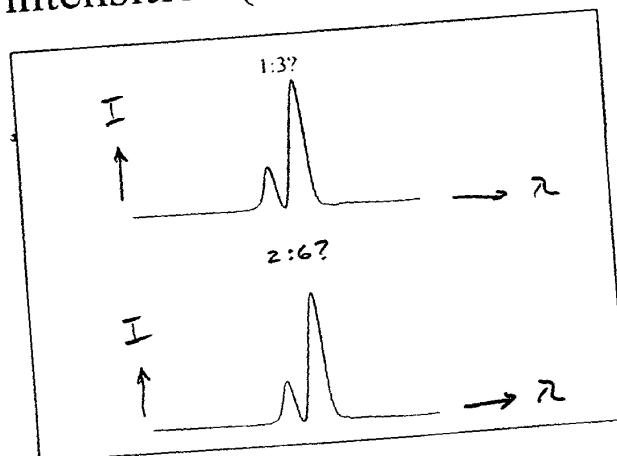
FIG - 6A
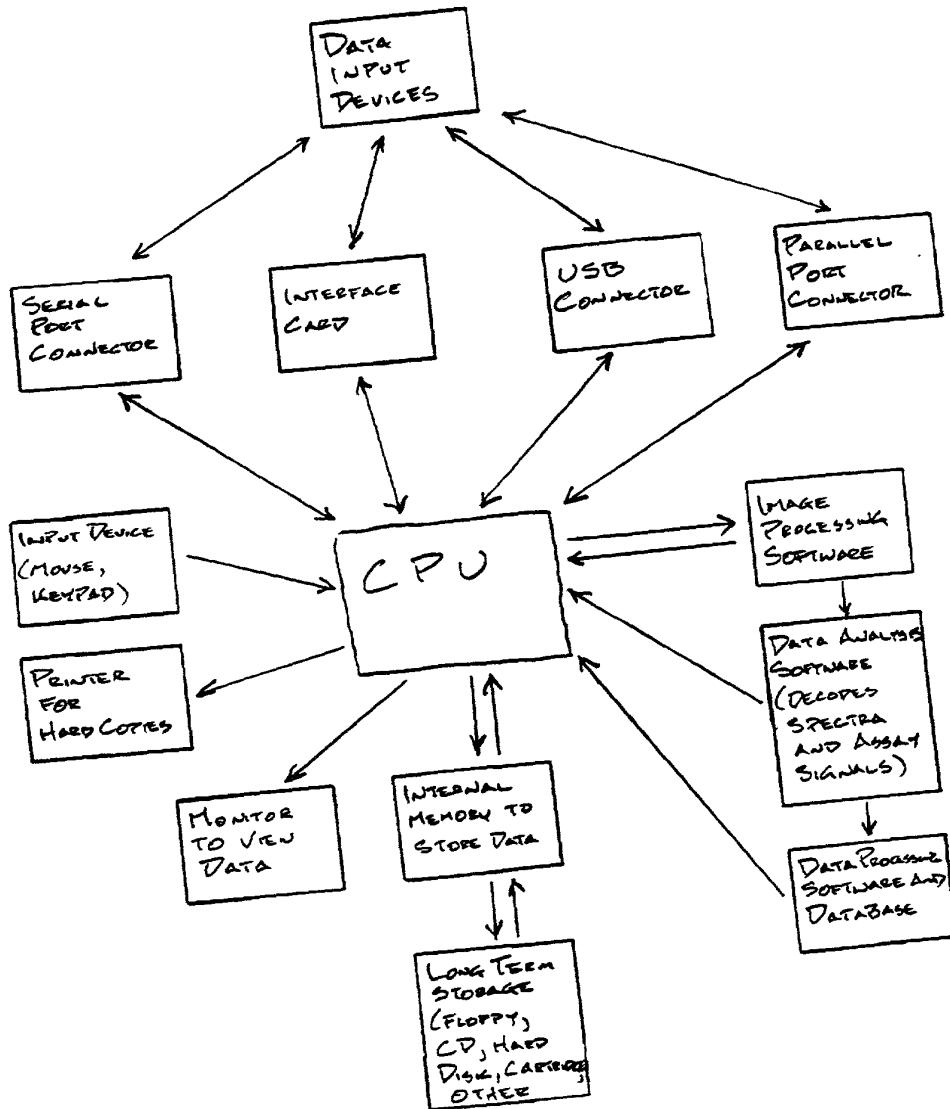
Atty. Docket: 19916-003700   Applicant: <u>EMPEDOCLES ET AL.</u>

MARK BARRISH ☎ (650) 326-2400   Appl. No.:   *Unassigned*

DIFFERENTIABLE SPECTRAL BAR CODE METHODS AND SYSTEMS

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FIG - 1A

Intensity   Code 1   **Figure 1B**

λ

Intensity   Code 2   **Figure 1C**

λ

Intensity   Code 3   **Figure 1D**

λ

Intensity   Code 1a   **Figure 2A**

Intensity   Code 2a   **Figure 2B**
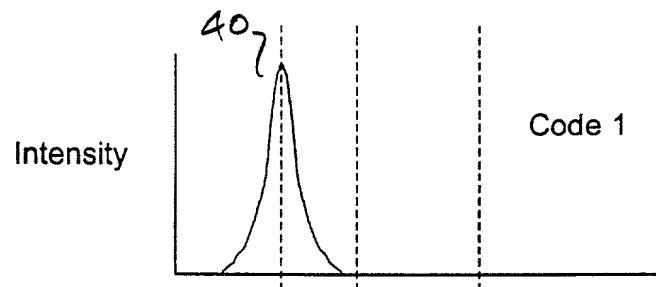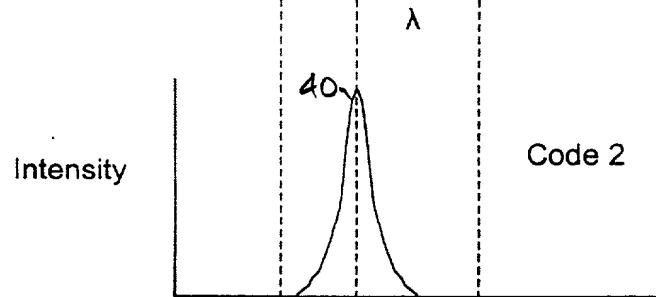
Intensity   Code 3a   **Figure 2C**
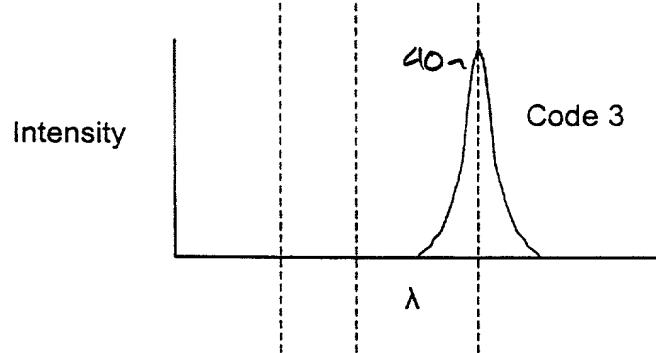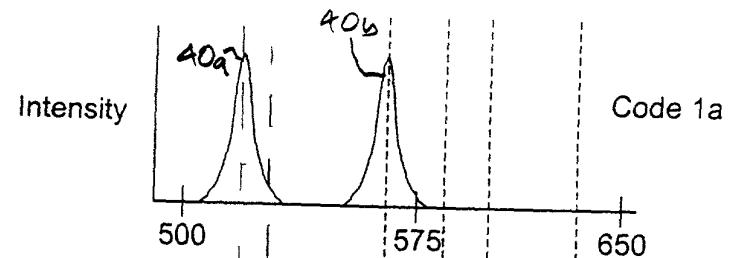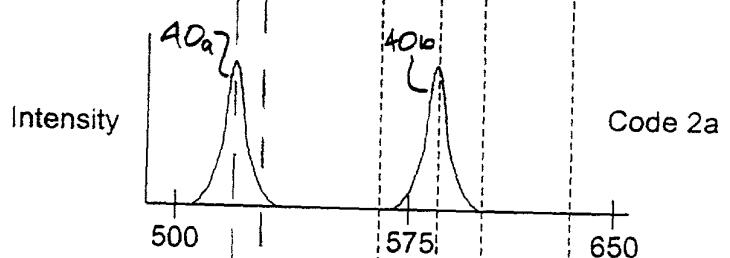
Intensity   Code 4a   **Figure 2D**
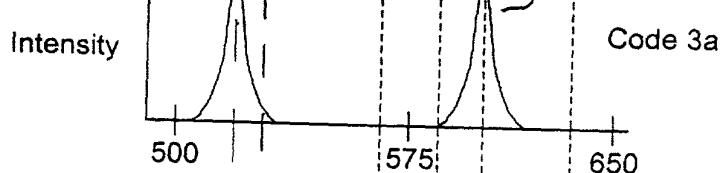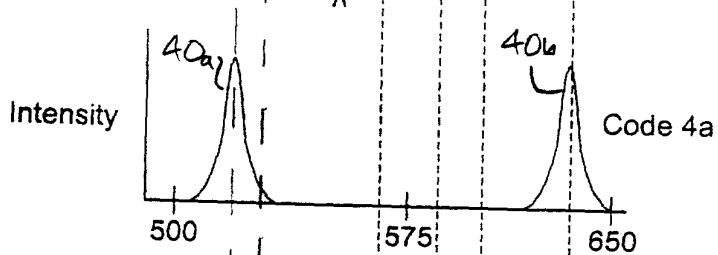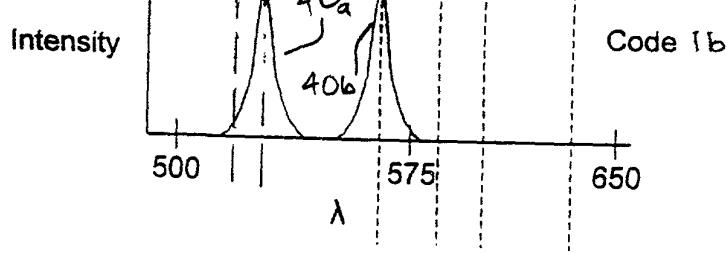
Intensity   Code 1b   **Figure 2E**
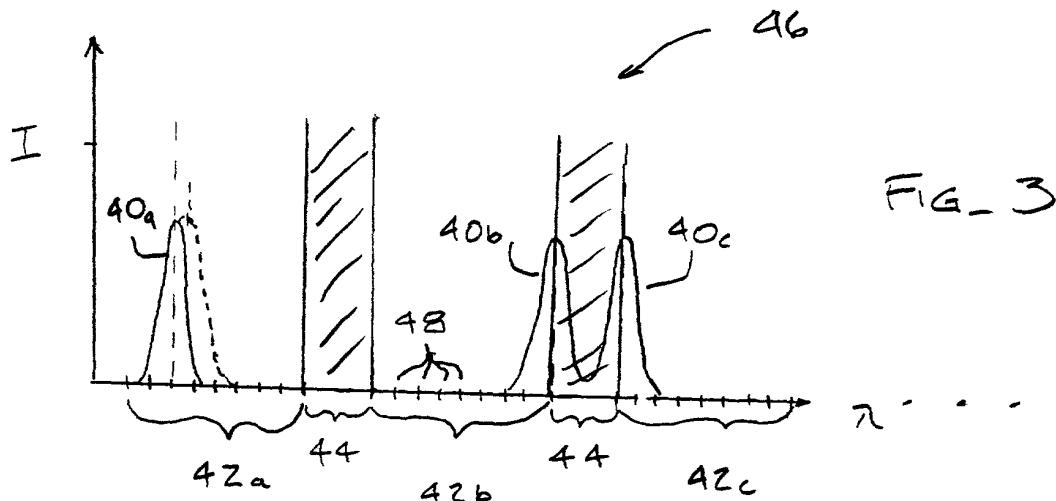
FIG_3
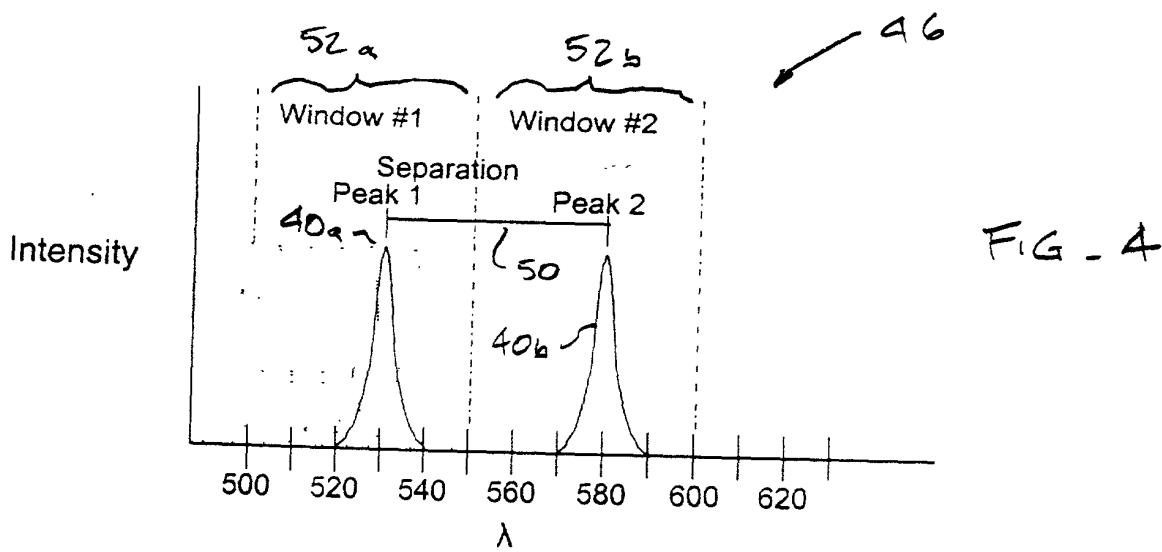
FIG_4
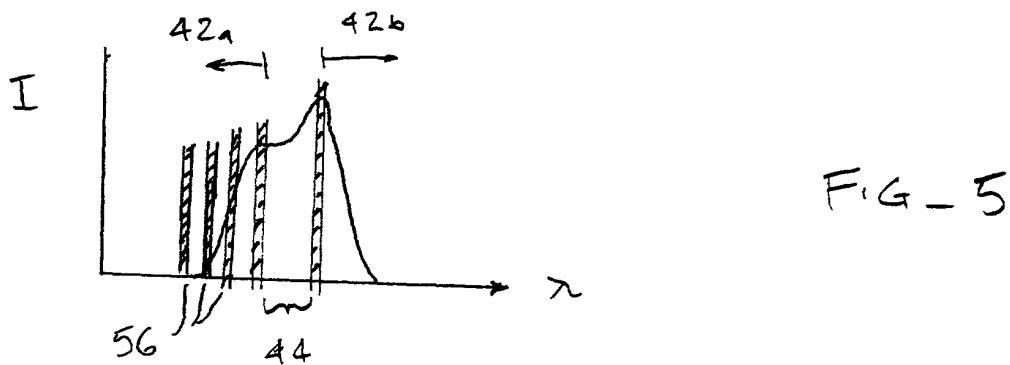
FIG_5

Internal reference allows unambiguous absolute intensity barcode reading

FIG - 6B

FIG - 7

A   Use Beam splitter   **B**

C   Use Internal Reference

FIG_8A

FIG_8B